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MONTANA OIL AND GAS STATISTICAL BULLETIN

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JOHN B. FLUGSTAD, Petroleum Engineer

J. R. MARCHI, Attorney

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COMMISSIONERS

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E. L. Anderson, Box 317, Cut Bank, Montana

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G. W. YODER, 215 E. Morrill, Sidney, Montana

THE OIL AND GAS CONSERVATION COMMISSION

VOLUME II, NO. 7 — 2 — JULY, 1954

Production of crude oil and condensate from the oil and gas areas of Montana for the month of July, 1954, averaged 42,228 barrels daily, an increase of 604 barrels from the average June production of 41,624 barrels daily.

The nine refineries in the State processed 55,944 barrels of crude oil daily for the month of July, a decrease of 1,029 barrels daily from the 56,973 barrels processed daily during the month of June, 1954.

During July, 35 wells were completed, 17 oil, 3 gas wells and 15 dry holes.

During July, the Commission issued 47 permits to drill new wells, an increase of 5 from the 42 permits issued during June.

STATEMENT OF CRUDE OIL PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA MONTH OF JULY, 1954

	TOTAL
IN STORAGE JULY 1ST:	
By Producers	245,735
By Transporters	509,681
By Refiners	352,109
TOTAL STORAGE	1,107,525
PRODUCED DURING MONTH	1,309,079
TOTAL	2,416,604
DISPOSITION:	
Refined in Montana	707,242
Shipped to Other States	458,046
Used for Fuel or Lost	312
TOTAL	1,165,600
IN STORAGE JULY 31ST:	
By Producers	248,082
By Transporters	521,976
By Refiners	480,946
TOTAL STORAGE	1,251,004

WYOMING OIL IMPORTED

IN STORAGE JULY 1, 1954	258,615
JULY RECEIPTS, MONTANA REFINERIES	976,273
REFINED	1,027,038
IN STORAGE JULY 31, 1954	207,850

NATURAL GAS WITHDRAWALS IN MONTANA

Month of July, 1954

Field	M. C. F.
Bears Den	22
Big Wall	180
Bowdoin	127,409
Bowes	26,839
Box Elder	15,433
Cedar Creek	201,350
Cut Bank (includes Reagan)	895,700
Devon	19,497
Dry Creek	65,620
East Poplar	1,756
Hardin	2,329
Keith Block	152
Kevin-Sunburst	26,202
Ragged Point	22
Utopia	16,095
West Sumatra	669
Whitlash Area	30,713
TOTAL	1,429,988

Total withdrawals for July, 1953, were 1,313,624 M. C. F.

PRODUCERS REPORT
Month of July, 1954

Leases Operated	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped by Pipeline	Oil Shipped by Truck	Used or Lost	Storage End of Month
1	Ash Creek	13	1,960	4,705		5,281		1,384
7	Big Wall	21	5,323	23,332		23,838		4,817
4	Border	8		1,030		1,030		
10	Bowes	72	9,145	74,652	78,298			5,499
1	Brady	1		37		37		
1	Brorson (Sidney Area)	2	3,009	7,919	9,057		37	1,834
1	Cabin Creek	5	1,931	23,754		22,515	213	2,957
30	Cat Creek	95	5,318	17,428	17,145			5,601
	Clark's Fork		84					84
317	Cut Bank	1,004	112,279	258,448	259,820		77	110,830
3	Deer Creek	7	3,384	18,678	17,368			4,694
1	Devils Basin	1	130	33				163
5	Dry Creek	12	1,259	16,473	15,837			1,895
20	Elk Basin	59	5,551	189,692	184,373		2,146	8,724
2	Frannie	2	558	1,230	1,014			774
1	Gage	1	1,438	276	263			1,451
5	Glendive	13	6,345	60,536	61,881			5,000
1	Golden Dome	1	587	248		684		151
1	Hardin Area	3	2,234	3,177		4,042		1,369
1	Ivanhoe Dome	2	370	2,084		2,291		163
220	Kevin-Sunburst	1,481	15,944	106,208	104,771	100		17,281
1	Lake Basin	1	915	112				1,027
1	Little Beaver	3	779	4,276		4,392		663
3	Melstone	6	2,088	9,067		8,788		2,367
3	Mosser	5		995		995		
1	Pine Unit Area	9	4,807	39,431		42,188		2,050
78	Pondera	319	7,575	36,931	31,447			13,059
39	Poplar Area	46	21,850	294,641	281,178	10,668	100	24,545
2	Ragged Point	3	1,356	1,935		2,460		831
	Rattlesnake Butte		739					739
2	Reagan	33	3,193	21,335	20,909			3,619
6	Richey	11	5,083	11,138		10,195	661	5,365
	Sand Creek		227					227
2	Southwest Richey	3	1,631	6,139		6,235		1,535
3	Soap Creek	4	2,258	2,551		2,593	46	2,170
12	Sumatra	36	12,024	51,010		51,283	9	11,742
3	Sweet Grass Hills	3	301	837		642		496
8	Whitlash	20	2,980	17,479	18,411			2,048
	Wolf Creek		51					51
2	Woodrow	2	682	530	463			749
1	Yellowstone	1	347	732		951		128
799		3,308	245,735	1,309,079	1,102,235	201,208	3,289	248,082

Total Oil Produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1953	11,895,152	32,589	11,806,873	32,348
First Quarter, 1954	3,165,882	35,176	3,139,622	34,885
Second Quarter, 1954	3,536,508	38,862	3,512,743	38,602
July, 1954	1,309,079	42,228	1,303,443	42,047

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage*	Total Oil In Storage*
December 31, 1953	231,394	501,709	695,206	1,428,309
March 31, 1954	235,678	469,637	620,698	1,326,013
June 30, 1954	245,735	509,681	610,724	1,366,140
July 31, 1954	248,082	521,976	688,796	1,458,854

*Includes Wyoming Oil.

TRANSPORTERS REPORT

Month of July, 1954

	Storage First of Month	OIL RECEIVED			Loss or Gain	OIL SHIPPED TO		Connecting Carriers	Storage End of Month
		From Producers and Connecting Pipeline	Truck	Carrier		Montana	Other States		
ASH CREEK									
Trucks			5,281				5,281		
BIG WALL									
Trucks	1,997		23,838			16,141	7,476		2,218
BORDER									
Trucks			1,030			1,030			
BOWES									
Northern Pump	991	20,929			169		20,181		1,570
The Texas Company		57,708					57,708		
	991	78,637			169		77,889		1,570
BRADY-MIDWEY									
Trucks			37			37			
CABIN CREEK									
Shell Oil Co.			22,515				22,515		
CAT CREEK									
Continental Pipe Line Co.	4,044	11,391			98	8,421			6,916
Wm. Hanlon		5,754				5,754			
	4,044	17,145			98	14,175			6,916
CUT BANK									
Darling Gather. Sys.	2,551	58,929				50,982			10,498
Phillips Pet. Co.	117,657	54,092		6,877	616	36,791		20,631	120,588
Texas Pipe Line Co.	102,532	45,803		33,704	1,457	69,043		9,322	102,217
Toronto Pipe Line Co.	38,194	65,938			(95)			54,347	49,880
Union Oil Co.	78,020	34,916		43,719	169	98,844			57,642
	338,954	259,678		84,300	2,147	255,660		84,300	340,825
DRY CREEK									
Ohio Oil Co.	10,971	15,837			247	16,566			9,995
ELK BASIN									
Ohio Oil Co.		184,373				113,265	71,108		
FRANNIE									
Ohio Oil Co.		1,014					1,014		
GAGE									
Northern Pump Co.	1,011	263				266			1,008
GOLDEN DOME									
Trucks			684				684		
GLENDIVE AREA									
The Texas Co.	10,801	79,723			276	63,383	17,790		9,075
HARDIN AREA									
Trucks			4,042				4,042		
IVANHOE DOME									
Trucks			2,291			2,291			
KEVIN-SUNBURST									
Big West Oil Co.	3,323	43,955				45,317			1,961
Homestake Oil & Gas	2,066	4,234				4,638			1,662
Texas Pipe Line Co.	28,512	55,263		2,048	36	57,320			28,467
Anna Aronow	383	1,565	100					2,048	
	34,284	105,017	100	2,048	36	107,275		2,048	32,090
LITTLE BEAVER									
Shell Oil Co.			4,392				4,392		
MELSTONE									
Trucks			8,788			8,077			711
MOSSER									
Trucks			995			995			
PINE UNIT AREA									
Shell Oil Co.			42,188				42,188		
PONDERA									
Phillips Pet. Co.	99,620	31,357			(1,719)	35,056			97,640
POPLAR AREA									
East Poplar G. Sys.	1,435	279,726			(2,312)	106,049	171,769		5,655
Plastic Service Lines, Inc.	1,200						1,200		
Trucks			10,668			6,990	3,678		
	2,635	279,726	10,668		(2,312)	113,039	176,647		5,655
RAGGED POINT									
The Texas Co.			2,460			2,460			
REAGAN									
Union Oil Co.		20,909				20,909			
RICHEY AREA									
Shell Oil Co. & Trucks			10,195			1,060	9,135		
SIDNEY AREA									
Sun Oil Co.		9,057					9,057		
SOAP CREEK									
Trucks			2,593				2,593		
SOUTHWEST RICHEY									
Shell Oil Co.			6,235				6,235		
SUMATRA AREA									
Trucks	2,939		51,283			51,164			3,058
SWEET GRASS HILLS									
Trucks & Pipeline	1,434	19,731	642			10,592			11,215
YELLOWSTONE									
Trucks			951			951			
GRAND TOTAL	**509,681**	**1,102,467**	**201,208**	**86,348**	**(1,058)**	**834,392**	**458,046**	**86,348**	**521,976**

REFINERS REPORT BY FIELDS

Month of July, 1954

	Location of Plant in Montana	Storage First of Month	Oil Received	Oil Used or Lost	Oil Refined	Storage End of Month
BIG WALL						
Farmers Union Cent. Exc. Inc.	Laurel	990	16,141	----	14,988	2,143
BORDER						
The Texas Company	Sunburst	702	1,030	----	655	1,077
BRADY-MIDWAY						
Phillips Pet. Co.	Great Falls	----	37	----	37	----
CAT CREEK						
Continental Oil Co.	Billings	----	8,466	----	8,466	----
Jet Fuel Refinery	Mosby	432	6,104	----	6,341	195
		432	14,570	----	14,807	195
CUT BANK						
Big West Oil Co.	Kevin	----	6,784	----	6,784	----
Phillips Petroleum Co.	Great Falls	----	36,785	----	36,785	----
The Texas Company	Sunburst	154,170	113,241	----	52,558	214,853
Union Oil Company	Cut Bank	13,763	98,844	(1,092)	89,312	24,387
		167,933	255,654	(1,092)	185,439	239,240
DRY CREEK						
Farmers Union Cent. Exc., Inc.	Laurel	2,715	16,569	----	16,861	2,423
ELK BASIN						
Carter Oil Co.	Billings	----	90,687	----	90,687	----
Continental Oil Co.	Billings	----	22,578	----	22,578	----
		----	113,265	----	113,265	----
GAGE						
Farmers Union Cent. Ex. Inc.	Laurel	----	263	----	263	----
GLENDIVE						
Farmers Union Cent. Exc., Inc.	Laurel	10,005	63,382	----	58,502	14,885
IVANHOE DOME						
Farmers Union Cent. Exc., Inc.	Laurel	----	2,235	----	2,235	----
KEVIN-SUNBURST						
Big West Oil Co.	Kevin	24,415	45,574	----	43,277	26,712
The Texas Company	Sunburst	75,933	61,957	----	28,744	109,146
		100,348	107,531	----	72,021	135,858
MELSTONE						
Farmers Union Cent. Exc., Inc.	Laurel	713	8,077	----	7,884	906
MOSSER						
Farmers Union Cent. Exc., Inc.	Laurel	----	994	----	994	----
PONDERA						
Phillips Petroleum Co.	Great Falls	9,927	35,063	----	34,954	10,036
POPLAR						
Carter Oil Co.	Billings	29,182	88,672	----	76,573	41,281
Jet Fuel Refinery	Mosby	2,046	8,720	----	8,403	2,363
Modern Oil Co.	Shelby	1,587	15,647	----	15,045	2,189
		32,815	113,039	----	100,021	45,833
RAGGED POINT						
Farmers Union Cent. Exc., Inc.	Laurel	----	2,461	----	2,461	----
REAGAN						
Union Oil Company	Cut Bank	----	20,909	----	20,909	----
RICHEY						
Jet Fuel Refinery	Mosby	705	1,060	----	24	1,741
SUMATRA						
Farmers Union Cent. Exc., Inc.	Laurel	3,197	51,164	----	48,646	5,715
SWEET GRASS HILLS						
Big West Oil Co.	Kevin	----	643	----	643	----
The Texas Co.	Sunburst	21,627	9,950	----	10,683	20,894
		21,627	10,593	----	11,326	20,894
YELLOWSTONE						
Farmers Union Cent. Ex. Inc.	Laurel	----	950	----	950	----
TOTAL MONTANA OIL		**352,109**	**834,987**	**(1,092)**	**707,242**	**480,946**
OIL FROM WYOMING						
Carter Oil Co.	Billings	64,925	555,628	----	550,923	69,630
Continental Oil Co.	Billings	145,515	134,095	----	185,689	93,921
Farmers Union Cent. Exc., Inc.	Laurel	48,175	286,550	----	290,426	44,299
		258,615	976,273	----	1,027,038	207,850
TOTAL MONTANA AND WYOMING OIL		**610,724**	**1,811,260**	**(1,092)**	**1,734,280**	**688,796**

	Average Barrels Per Day			Percentage of Crude Refined	
	Montana	Wyoming	Total	Montana	Wyoming
Year 1953	20,540	33,183	53,723	38.2%	61.8%
July, 1953	17,667	38,819	56,486	31.3%	68.7%
July, 1954	22,814	33,130	55,944	40.8%	59.2%